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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/844,625	04/27/2001	Martin Morris	WIDC-019/00US	2405
7590 06/22/2005			EXAMINER	
Christopher C. Winslade McAndrews, Held & Malloy 500 W. Madison Street Suite 3400 Chicago, IL 60661			LEE, CHI HO A	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 06/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 09/844,625	<b>Applicant(s)</b> MORRIS, MARTIN	
	<b>Examiner</b> Andrew Lee	<b>Art Unit</b> 2663	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 April 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Bork U.S. Patent Number 6,255,800.

Re Claims 1, 11, 16, 24, fig. 19 teaches the Bluetooth (first protocol) HC, LM, LC, Radio collective (a device communication module) for communicating with device 50; USB (second protocol) Device controller (a system communication module) for communication with 70 (electronic system); BlueTooth USB Firmware (a translation unit) connected to both devices for protocol translation (See col. 6, lines 45 ~ col. 7, lines 1-20) *wherein 70 (electronic system) does not have to be aware of the first protocol to be in communication with the device 50 because the protocol translation is performed by the BlueTooth USB Firmware.*

Re Claims 2, 10, 12, 17, 25, refer to Claim 1, wherein Bluetooth USB Firmware is connected to 70 for translating information for device 50.

Re Claims 3, 13, 18, refer to Claim 1, 70 is a PC coupled to the USB port.

Re Claims 4, 19, 26, refer to Claim 1, Bluetooth LM & LC (a peripheral detection & connection module).

Re Claims 6, 21, refer to Claim 1, wherein Bluetooth operates TDM, hence, it is inherent that the fig. 19 includes a Bluetooth MUX/DEMUX arrangement to connected to the Bluetooth/USB firmware.

Re Claims 8, 9, 23, refer to Claim 1, USB operates in TDM bus, hence, it is inherent that the USB Device Controller to include a multiplexing and demultiplexing arrangement, USB Device Controller also inherently includes USB protocol stack to be connected to the BluetoothUSB Firmware, USB device controller inherently includes a configuration database to interpret plurality PC commands from plurality of host drivers.

Re Claims 14, 15, refer to Claim 1, 46 is coupled to 50 mobile wherein 50 includes Service/Function of other devices. Hence, it is inherent for the translator in 46 to recognize the service/function of other devices to protocol conversion wherein the predefined routines are device specific in the Bluetooth USB firmware.

Re Claims 5, 20, 27, refer to Claim 4, wherein the 64, 66, 68 is the Bluetooth protocol stack.

Re Claims 7, 22, 28, the USB device controller coupled to the inherently includes the USB protocol stack.

### ***Response to Arguments***

3. Applicant's arguments filed 4/20/05 have been fully considered but they are not persuasive.

Applicant argues that Bork fails the amended portion of "*wherein electronic system does not have to be aware of the first protocol to be in communication with the device*". Examiner agrees, the electronic system does not have to be aware of the first protocol to be in communication with the device *because the protocol translation is performed by the Bluetooth USB Firmware*. Since, Bluetooth USB firmware is already in place to provide protocol translation, the electronic device does not need to be aware of the first protocol of the device.

#### **Conclusion**

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

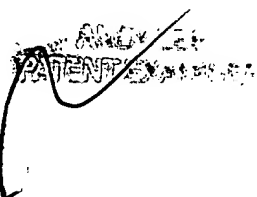
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AI  
6/15/05

A handwritten signature in black ink is written over a rectangular stamp. The stamp contains the word "PATENT" in a bold, sans-serif font. Above "PATENT", there is some smaller, less legible text that appears to be a date or a reference number. The signature is a cursive-style name that starts with a large, looped initial.